



Chron No.: CTO-0142/0319

MEETING MINUTES

Meeting Subject: Site 24 Pilot Test Update	Meeting Date: March 18, 1998 Meeting Time: 10:00 AM Meeting Place: Conference Call Meeting Notes Prepared By: Patrick Brooks															
Attendees: (*Part Time) <table><thead><tr><th><u>Navy</u></th><th><u>Bechtel</u></th><th><u>Other</u></th></tr></thead><tbody><tr><td></td><td>Pat Brooks, CTOL</td><td>Glenn Kistner, U.S. EPA</td></tr><tr><td></td><td>Tim Latas, Field Manager</td><td>Herb Levine, U.S. EPA</td></tr><tr><td></td><td>Dante Tedaldi, PM</td><td>Tayseer Mahmoud, DTSC</td></tr><tr><td></td><td></td><td>Patricia Hannon, RWQCB</td></tr></tbody></table>		<u>Navy</u>	<u>Bechtel</u>	<u>Other</u>		Pat Brooks, CTOL	Glenn Kistner, U.S. EPA		Tim Latas, Field Manager	Herb Levine, U.S. EPA		Dante Tedaldi, PM	Tayseer Mahmoud, DTSC			Patricia Hannon, RWQCB
<u>Navy</u>	<u>Bechtel</u>	<u>Other</u>														
	Pat Brooks, CTOL	Glenn Kistner, U.S. EPA														
	Tim Latas, Field Manager	Herb Levine, U.S. EPA														
	Dante Tedaldi, PM	Tayseer Mahmoud, DTSC														
		Patricia Hannon, RWQCB														
Additional Distribution: Please See the Transmittal Sheet																

Pat Brooks reviewed the field work that had been accomplished since the last Site 24 Update meeting. Pat noted that Bernie Lindsey was not able to attend the meeting, so any decisions necessary would need to be reviewed by the Navy. The additional CPT/HydroPunch sampling schedule and map were distributed to the team. Patricia Hannon commented that another sample location between Locations 4 and 7 might help characterize the extent of high TCE concentrations noted at Location 5. Pat said he would inform Bernie of this suggestion.

The constant-rate test at extraction well 24EX5 was started on 3/17/98 at about 1100. After 24 hours, drawdown in 24EX5 is about 5 feet and buildup in the injection well (24IN2OB1) is about 30 feet. Drawdown curves are attached. The extraction well has good influence as noted in the observation wells. Two soil vapor extraction wells that contain several feet of water in them are being monitored.

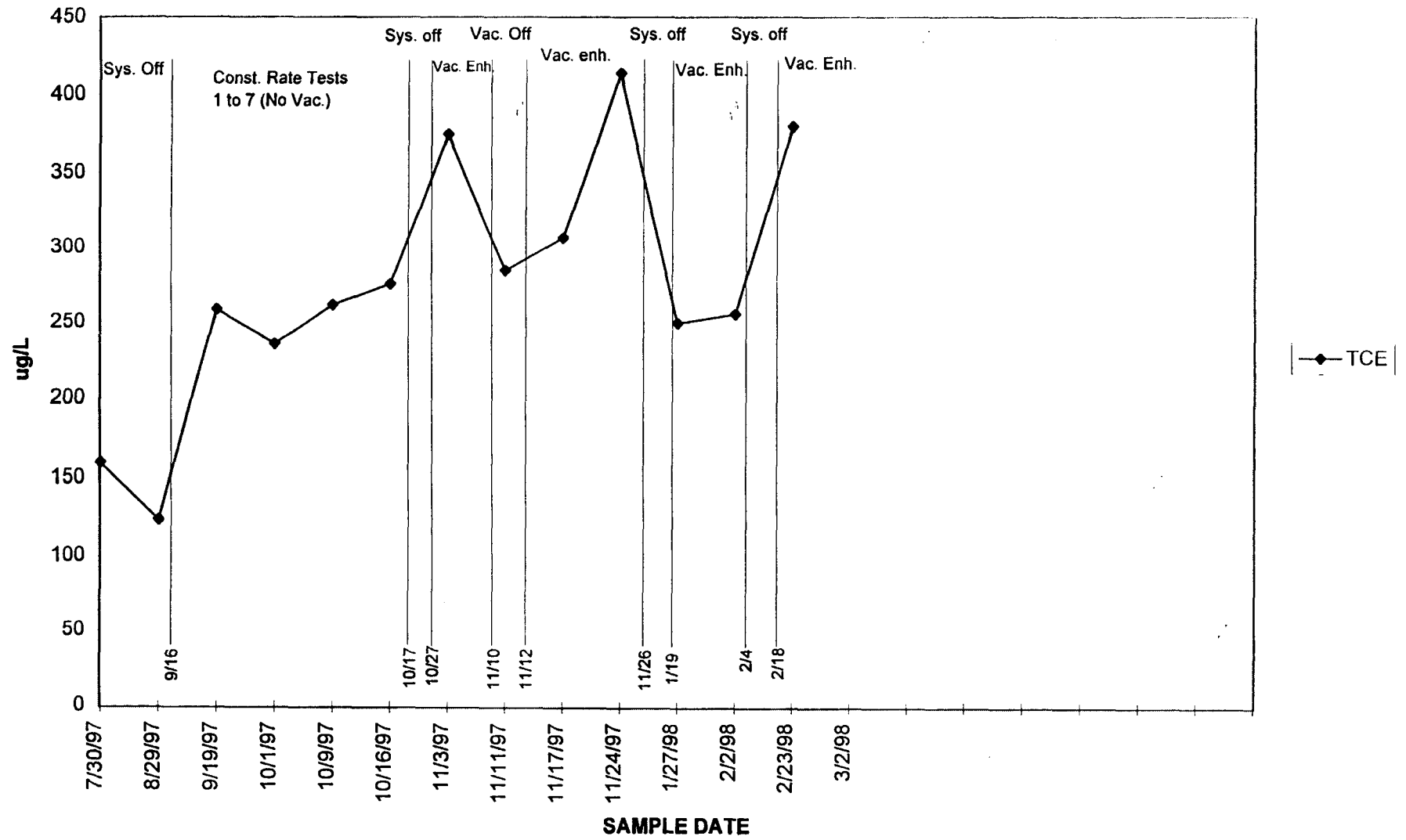
A graph of TCE concentration versus time for extraction well 24EX3 was faxed with the meeting agenda. TCE concentrations increase in groundwater during periods of vacuum-enhancement. This may indicate that groundwater is being drawn from less permeable stratigraphic units when the vacuum is applied.

The Plan of Action for Site 24 field work for the next two weeks included the following:

1. Initiate additional CPT/HydroPunch sampling at the leading edge of the TCE hot spot (start date is 3/18/98).
2. Continue constant-rate test at 24EX5 and 24IN2OB1.
3. Continue extraction at 24EX3.
4. Complete destruction of observation well 24EX1OB and abandoned well 24AW4.
5. Begin vacuum-enhanced test at 24EX5.

Chart2

24EX3 - TCE IN GROUNDWATER



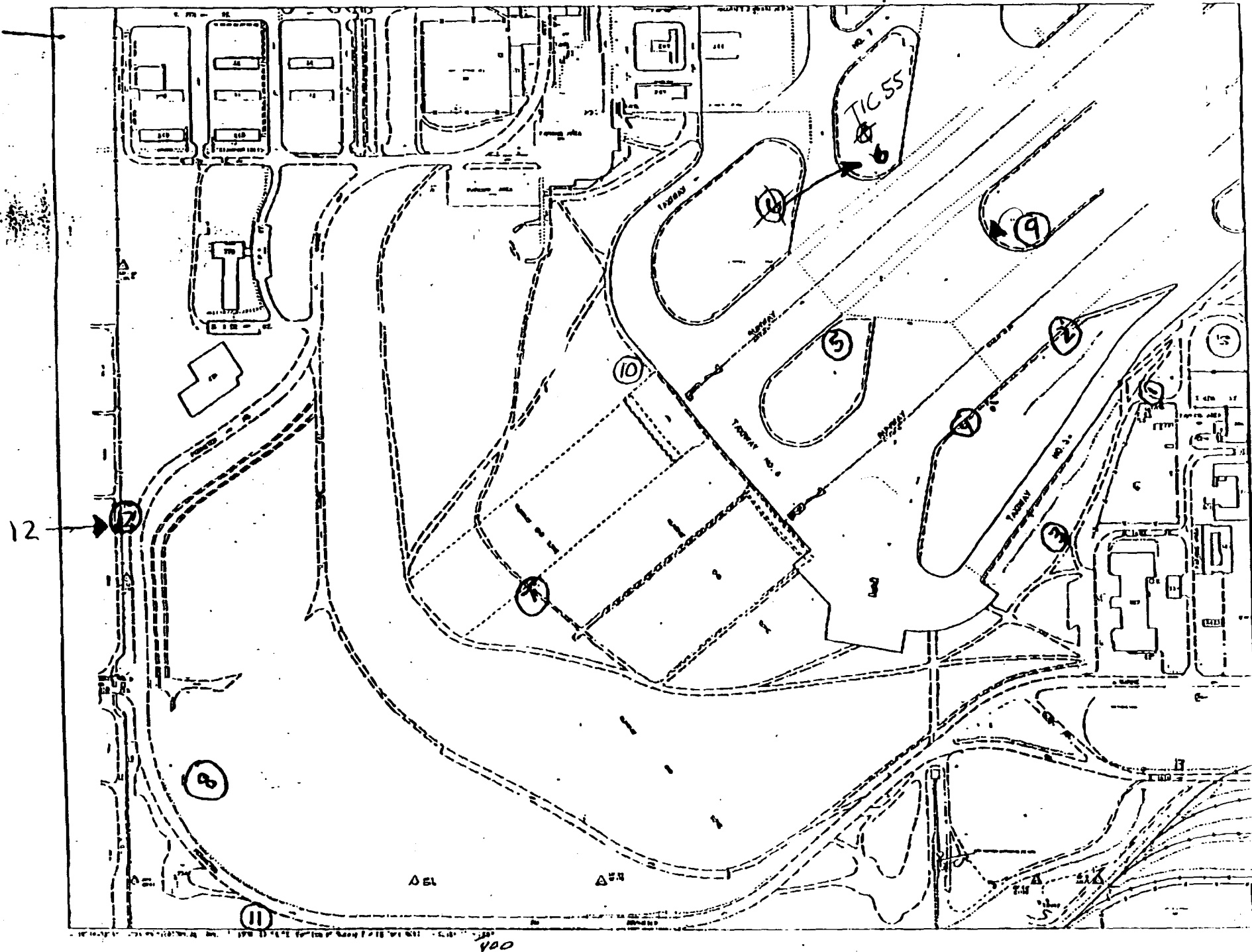


**CPT/HYDROPUNCH FIELDWORK SCHEDULE (LOCATIONS 9-12)
FOR GROUNDWATER REMEDIATION PILOT TESTING**

3/18 - Wed CPT Location 9 and begin HydroPunch (runway clearance needed).
3/19 - Thu HydroPunch Location 9 (runway clearance needed).
3/20 - Fri HydroPunch Location 9 (runway clearance needed).
3/23 - Mon CPT Location 10 and begin HydroPunch (runway clearance needed).
3/24 - Tue HydroPunch Location 10 (runway clearance needed).
3/25 - Wed HydroPunch Location 10 (runway clearance needed).
3/26 - Thu CPT Location 11 and begin HydroPunch
3/27 - Fri HydroPunch Location 11
3/30 - Mon HydroPunch Location 11
3/31 - Tue CPT Location 12 and begin HydroPunch
4/1 - Wed HydroPunch Location 12
4/2 - Thu HydroPunch Location 12
4/3 - Fri Make up for delays as needed.

This schedule may be modified due to weather, equipment performance, air traffic needs, and geologic conditions.

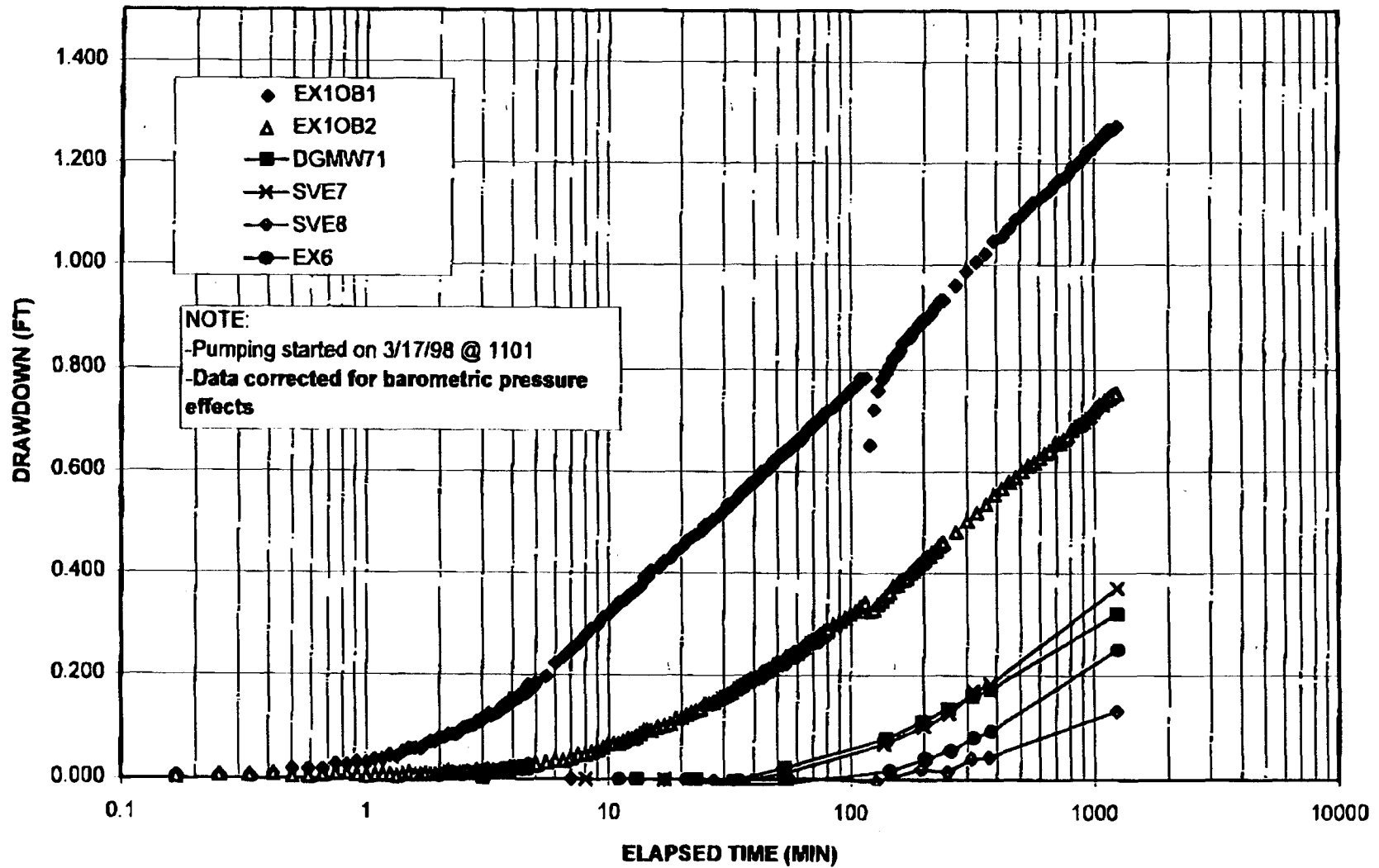
CPT locations.



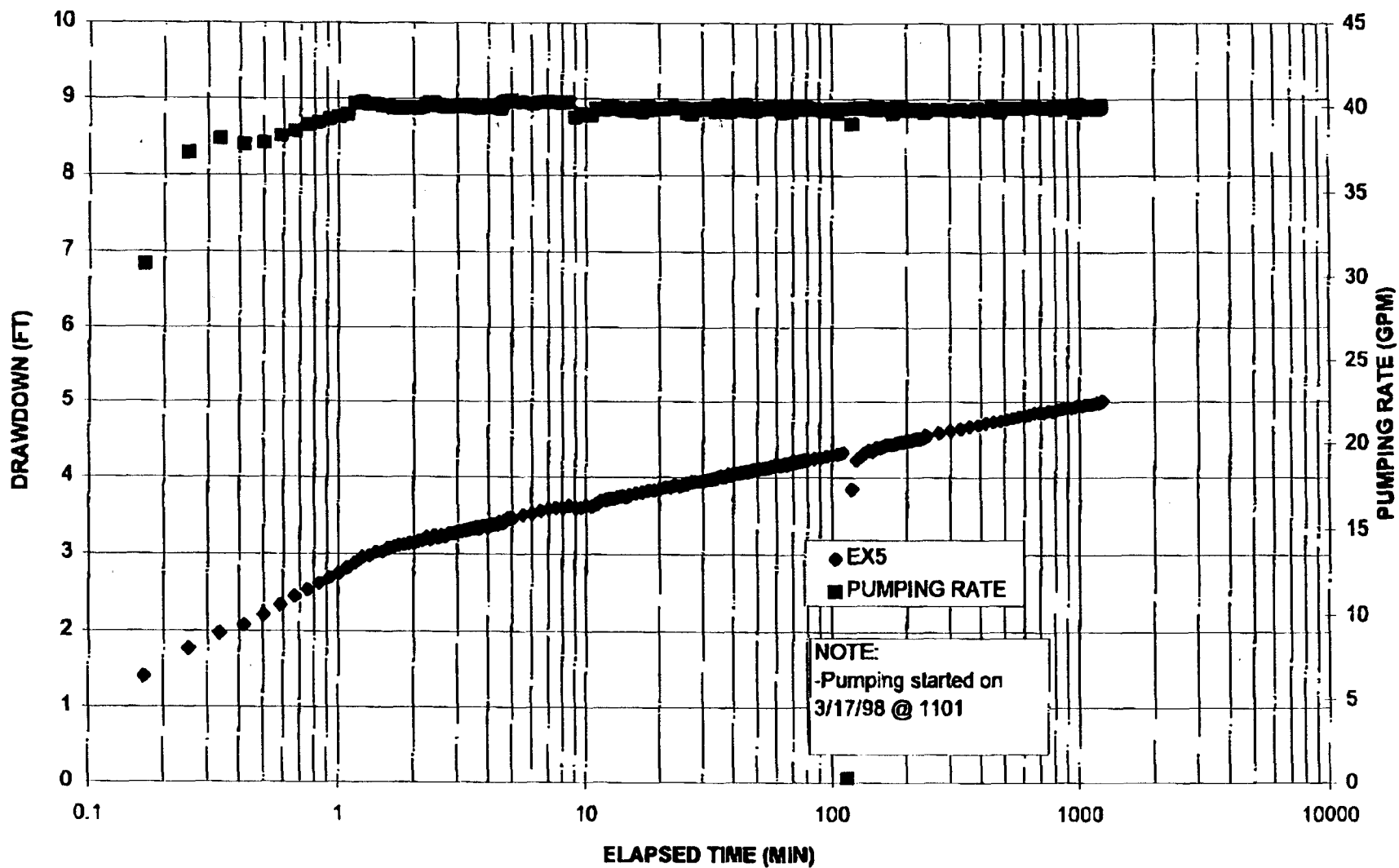
**TCE CONCENTRATION IN HYDROPUNCH SAMPLES
LEADING EDGE OF TCE HOT SPOT
SITE 24 - MCAS EL TORO**

Location No.	Date	Depth (feet)	TCE Concentration (µg/L)
1	1/20/98	130	400
	1/20/98	158	420
	1/23/98	189	21.4
	1/23/98	210	5.99
2	1/29/98	137	ND
	1/29/98	149	12.7
	1/29/98	177	107
	3/6/98	200	not available
3	1/26/98	123	4.88
	1/26/98	141	6.22
	1/26/98	157	29.8
	1/27/98	181	1.19
4	2/2/98	124	2.33
	2/3/98	140	10.5
	2/4/98	159	61
	2/19/98	173	14
	2/20/98	200	1.7
5	2/26/98	132	80
	2/26/98	145	660
	2/27/98	162	480
	2/27/98	180	560
6	2/23/98	127	0.09J
	2/23/98	146	0.3J
	2/24/98	163	0.9
	2/24/98	171	2
	2/25/98	180	9.5
7	3/5/98	136.5	43E
	3/4/98	152	8.2
	3/5/98	180.5	6.1, 2.8
	3/6/98	200	refusal
8	2/13/98	130	46
	2/13/98	155	13
	2/17/98	166	150E, 170E
	2/19/98	181	220E

EX5 CONSTANT RATE AQUIFER TEST OBSERVATION WELLS



EX5 CONSTANT RATE AQUIFER TEST





BECHTEL NATIONAL INC.

CLEAN II TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N-68711-92-D-4670

Document Control No.: CTO-0142/0319

File Code: 0208

TO: Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Richard Selby, Code 57CS1.RS
Building 127, Room 112
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: April 2, 1998

CTO #: 142

LOCATION: MCAS El Toro

FROM:

D. J. Tedaldi, Ph.D., P.E., Project Manager

DESCRIPTION: Meeting Minutes, Site 24 Pilot Test Update - DTD March 18, 1998

TYPE: Contract Deliverable CTO Deliverable X Other
(Cost) (Technical)

VERSION: NA REVISION #: _____

ADMIN RECORD: Yes X No _____ Category _____ Confidential _____
(PM to Identify)

SCHEDULED DELIVERY DATE: 4/2/98 ACTUAL DELIVERY DATE: 4/2/98

NUMBER OF COPIES SUBMITTED: O/4C/4E

COPIES TO (Include Name, Navy Mail Code, and No. of Copies):

SWDIV:

G. Steinway, Code 56MC.GS (O)
J. Rogers, Code 5723.JR (1C/1E)
L. Hornecker, Code 56MC.LH (1C/1E)
B. Lindsey, Code 56MC.BL (1C/1E)
A. Piszkin, Code 56MC.AP (1C/1E)

BECHTEL (Distributed by Bechtel):

P. Brooks (1C/1E)
D. Eldredge (1C/1E)
B. Kown (1C/1E)
T. Latas (1C/1E)
D. Tedaldi (1C/1E)
B. Coleman (1C/2E AR, 1E IR)
El Toro File (1C/1E)
BNI Document Control (1C/1E)

OTHER (Distributed by Bechtel):

P. Hannon, RWQCB (1C/1E)
T. Johnson, DTSC (1C/1E)
G. Kistner, US EPA (1C/1E)
H. Levine, US EPA (1C/1E)
T. Mahmoud, DTSC (1C/1E)
B. Sedlak, OHM (1C/1E)

O = Original Transmittal Sheet
C = Copy Transmittal Sheet
E = Enclosure

Date/Time Received